In-situ density test (water replacement	t method)					
Location						
			Boreho	ole/Pit no.		
Soil description			Sample No.			
				excavated m		
			Date	CACUVATCA	•	111
To st me other d			Date			
Test method	2.2					
BS1377: Part 9: 1990 Ring diameter	2.3 Depth of	holo		mm (if end	oified:Ve	n/No*)
Volume of test hole	Thole mm (if specified:Yes/No*) Wet mass of material					
volume of test hole		Wet mass of materi	<u> </u>			
1. Surface correction		Material + drum 1	kg			
Initial volume of water in ring abov	ve .	Drum 1	kg	Material		kg
prepared surface						
(R_i)	L	Material + drum 2	kg			
		Drum 2	kg	Material		kg
2. Test hole + ring						
Final volume of water in hole		Material + drum 3	kg			
and density ring		Drum 3	kg	Material		kg
(R_f)	L					
(Alternative: hole + ring-oversize		Material + drum 4	kg			
material (R_p)	L)	Drum 4	kg	Material		kg
material (K _p)	L)	Dium 4	Νδ	Material		Kζ
3. Total volume of test hole:						
3. Total volume of test note.						
$V_h = R_f - R_i =$	m^3	Wet mass of total m	naterial (n	nw)		kg
$v_h = \frac{v_f - v_f}{1000}$		Wet mass of total if	iateriai (ii	iiw)		Kζ
1000						
	LABORAT	ORY TESTS				
Moisture content	Mass and volume of oversize material					
Container no:		Specified size limit				BS Sieve
Mass of wet soil + container	g	Container no.				
Mass of dry soil + container	g	Method of separation:				
Mass of container Mass of moisture	g	Mass of oversize meterial (ms)				
	g	Mass of oversize material (ms) Kg				
Mass of dry soil	g	Volume of oversize material (vs) m ³				m
For total material						
Moisture content (w)	%					
(,	,-					
For smaller than specified size						
Moisture content (wp)	%					
For total material:		For material finer than specified limit:				
		(a) W/hana ananaina mastanial manlanad in hala				
		(a) Where oversize material replaced in hole:				
Pulk density (n) - my -	Ma/m2	Dry donaity –	mu m	100		Ma/m2
Bulk density (p) = $mw = Vh * 1000$	Mg/m3	Dry density =	mw - ms Rp-Ri	$\begin{array}{c} s & 100 \\ 100 + Wp \end{array}$		Mg/m3
VII 1000			кр-кі	100 i wp		
		(b) Where volume oversize material obtained separately				
		, ,				,
Dry density (pd) = $p*1000$	Mg/m3	Dry density =	mw - ms			Mg/m3
100 + w			Vh - Vs	100 + Wp		
			Ī	1		
		Operator	Checked	l	Approved	l